



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D3965-4**Job Sheet 199800****Part No:** D3965-4**Job Qty:** 10 pcs**Part Name:** Bearing, Spherical**Part Weight:** 0 lbs**Status:** New**Priority:** Medium**Job Created:** 9/3/19**Job Tracking No:****Due Date:** 9/17/19**Created By:** Chantal Lavoie**Type:** Stock**Description:**

Note: DWG REV B IPP RevA: New issue DD verified by:EC IPP REV:B 12.03.06 AS PER DWG REV.B DD
VERF:EC

Ship Via:**Bill of Materials****Job Routing**

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier Lead Time	
100	Purchasing	10 pcs	AC	9/17/19	0.00	0.00	Purchasing - 1	AC SEP 05 2019
							Purchasing - 2	
							Purchasing - 3	
110	Packaging 2-1 - Receive - B4B	10 pcs	AC	9/17/19	0.00	0.00	Packaging 2 - 1 - B4B	
							Packaging 2 - 2 - B4B	
							Packaging 2 - 3 - B4B	
							Packaging 2 - 5 - B4B	AC SEP 05 2019
							Packaging 2 - 4 - B4B	
							Packaging 2 - 6 - B4B	
							Packaging 2 - 7 - B4B	
							Packaging 2 - 8 - B4B	
							Packaging 2 - 9 - B4B	
							Packaging 2 - 10 - B4B	
							Packaging 2 - 11 - B4B	
							Packaging 2 - 12 - B4B	
							Packaging 2 - 13 - B4B	
							Packaging 2 - 14 - B4B	
							Packaging 2 - 15 - B4B	
							Packaging 2 - 16 - B4B	
							Packaging 2 - 17 - B4B	
							Packaging 2 - 18 - B4B	
							Packaging 2 - 19 - B4B	
							Packaging 2 - 20 - B4B	
							Packaging 2 - 21 - B4B	
							Packaging 2 - 22 - B4B	
							Packaging 2 - 23 - B4B	
							Packaging 2 - 24 - B4B	
							Packaging 2 - 25 - B4B	
							Packaging 2 - 26 - B4B	
							Packaging 2 - 27 - B4B	



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CANADA
TEL.: 1 813 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S211784**Part:** D3965-4**Job No:** 199800**Serial No/Batch:** S211784**Revision:****Inspector:****Exp Date:****Instructions:** Various STC's**Date:** 09/06/19

Plex 9/3/19 8:44 AM Dart.Lavoie.Chantal

					Packaging 2 - 28 - B4B	
					Packaging 2 - 29 - B4B	
					Packaging 2 - 30 - B4B	
					Packaging 2 - 31 - B4B	
					Packaging 2 - 32 - B4B	
					Packaging 2 - 33 - B4B	
					Packaging 2 - 34 - B4B	
					Packaging 2 - 35 - B4B	
					Packaging 2 - 36 - B4B	
120 QC 6	10 pcs	9/17/19	0.00 0.00		QC 6 - 9	
					QC 6 - 68	DAS
					QC 6 - 61	81
					QC 6 - 40	9-89
					QC 6 - 81	
130 Packaging 3-1 - Stock - B4B	10 pcs	9/17/19	0.00 0.00		Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	STOCK
					Packaging 3 - 5 - B4B	DAS 74 9-89 SEP 06 2019
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
140 QC 21 - SA	10 pcs	9/17/19	0.00 0.00		QC 21 - SA - 21	DAS 21 9-89 SEP 09 2019
					QC 21 - SA - 70	
					QC 21 - SA - 53	

Part Op 100 - PURCHASING Issue P/O: _____ Purchase Part Number: 63215K52

Descriptions: 110 - (Receive & Inspect for Damage & Mat'l Certs)
 120 - (QC6- All purchased or subcontracted products)
 130 - (Identify as per dwg & Stock Location: _____)
 140 - (QC21- Final Inspection - Work Order Release)

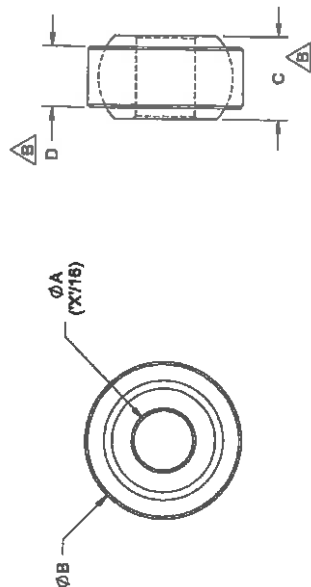
Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
63215K52	Bearing Spherical D3965-4	10 Ea (1 ea)	100-Purchasing	521783

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	63215K52	10	0	0

Part Specifications
Specifications could not be found.

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SPECIFICATION CONTROL DRAWING



D3965-X BEARING, SPHERICAL
 WHERE "X" IS I.D. IN 1/16" OF AN INCH
 EG $\phi 1/4$ (4/16") I.D. BEARING = D3965-4

DART P/N	SUPPLIER	SUPPLIER P/N	A	B	C	D	STATIC RADIAL LOAD CAP. lbs
D3965-3	McMASTER-CARR	63215K31	0.188	0.563	0.261	.219	3,975
D3965-4	McMASTER-CARR	63215K52	0.250	0.656	0.344	0.250	6,040
D3965-5	McMASTER-CARR	63215K53	0.313	0.790	0.375	0.281	8,750
D3965-6	McMASTER-CARR	63215K34	0.375	0.813	0.406	0.313	10,540

- NOTES:
- 1) MATERIAL: 440C STAINLESS STEEL WITH PTFE LINER
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: N/A

RELEASED
 2012-03-02

B	CORRECT LETTER DESIGNATED C & D (ZIN C4-1) PER PART 1-151	RF	12.01.10
A	NEW ISSUE	RF	09.07.09
REV.	DESCRIPTION	BY	DATE
DESIGN	RF		
DRAWN	RF		
CHECKED	RF		
MFG. APPR.	RF		
APPROVED	RF		
DE APPR.	RF		
DATE	12.01.10		

DART AEROSPACE LTD
 HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **D3965**
 REV. **B**
 SHEET 1 OF 1

TITLE **BEARING, SPHERICAL**
 SCALE **NTS**

CONFIDENTIALITY: THIS DRAWING IS THE PROPERTY OF DART AEROSPACE LTD. IT IS NOT TO BE USED FOR ANY PURPOSES OR COMMERCIAL PURPOSES WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044419



Supplier: MCM001-VU
McMaster-Carr Supply Co,
P.O. Box 7690
Chicago, IL 60680-7690 USA
Phone: 330 995 5500
Fax: 330 995 9600

Attention: N/A,

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB044419

PO Date: 9/3/19

Due Date: 9/5/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com

Via: Ground

Pynt Terms: 2% 10 Net 30

Freight Terms:

Special Comments:

E-MAILED
2019-09-03

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1		30345T971	1/pk	SS Nylon Coated Lanyard 1/16" Diameter X 8" Long	Firmed	-	9/5/19	48 Ea	0 Ea	48 Ea	\$2.92/Ea	\$140.16
2		5475A12	1/pk	Fixed Pin Spanner Wrench	Firmed	-	9/5/19	2 Ea	0 Ea	2 Ea	\$12.37/Ea	\$24.74
3		6399K41	10/pk	Knob	Firmed	-	9/5/19	10 Ea	0 Ea	10 Ea	\$7.80/Ea	\$78.00
4		8334K11	1/pk= 1 sf	Felt Pad W/Adhesive Back **SHELF LIFE REQUIRED**	Firmed	-	9/5/19	2 sf	0 sf	2 sf	\$17.69/sf	\$35.38
5		8702K566	4 ft long	UHMW Bar, Black, 3" Wide, 3/4" Thick	Firmed	-	9/5/19	4 ft	0 ft	4 ft	\$15.43/ft	\$61.72
6		90024A232	1/pk	18-8 Stainless Steel Threaded Rod, M10 X 1.5 mm Thread Size, 500 mm Long	Firmed	-	9/5/19	1 Ea	0 Ea	1 Ea	\$11.92/Ea	\$11.92
7		90128A245	50/pk	Steel Zinc Plated Socket Head Screw 1/4"-20 X 3/4" Long	Firmed	-	9/5/19	50 Ea	0 Ea	50 Ea	\$0.21/Ea	\$10.50
8		91116A120	100/pk	Flat Washer, Ø3 mm ID	Firmed	-	9/5/19	100 Ea	0 Ea	100 Ea	\$0.0277/Ea	\$2.77
9		91772A188	100/pk	SS Pan Head Phillips Screw #8-32 X 1/8" Long	Firmed	-	9/5/19	100 Ea	0 Ea	100 Ea	\$0.0998/Ea	\$9.98

Plex 9/3/19 3:44 PM Dart.Guerin.Kimberley



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PURCHASE ORDER

POHB044419



Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
10		92095A179	100/pk	Pan Head Machine Screw, M3 X 0.5 X 6 mm	Firmed	-	9/5/19	100 Ea	0 Ea	100 Ea	\$0.0506/Ea	\$5.06
11		92125A212	50/pk	Flat Head Machine Screw, M5 X 0.8 X 16 mm	Firmed	-	9/5/19	50 Ea	0 Ea	50 Ea	\$0.1498/Ea	\$7.49
12	199797	30365T35		Swivel Eye & Fork D4405-1 receive pcs	Firmed	-	9/5/19	2 pcs	0 pcs	2 pcs	\$74.03/pcs	\$148.06
13	199798	5462K62	1/pk	Supra Heavy Duty Hose Clamp Stainless Steel, W4 79-85 D5616-3	Firmed	-	9/5/19	45 Ea	0 Ea	45 Ea	\$12.34/Ea	\$555.30
14	199799	6264K72		Half Link D5039-5 receive pcs	Firmed	-	9/5/19	6 pcs	0 pcs	6 pcs	\$7.80/pcs	\$46.80
15	199800	63215K52		Bearing Spherical D3965-4 receive ea	Firmed	-	9/5/19	10 pcs	0 pcs	10 pcs	\$15.62/pcs	\$156.20
16	199801	6519T14		Tubing D5528-1 AS PER DWG D5528 REV. A PCS OF 10 FT LONG REQUIRED	Firmed	-	9/5/19	40 Ea	0 Ea	40 Ea	\$4.97/Ea	\$198.80
17	199802	92311A639		SS Set Screw D2747	Firmed	-	9/5/19	50 pcs	0 pcs	50 pcs	\$0.66/pcs	\$33.00
Grand Total:											\$1,525.88	

Order Notes

Procurement Quality Clauses

- A005 RIGHT OF ENTRY
- A016 PERSONNEL QUALIFICATION
- A026 CERTIFICATION OF MATERIAL CONFORMANCE
- A032 DOCUMENT SPECIAL REQUIREMENTS
- A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS
- A040 NOTIFICATION OF QUALITY ESCAPE
- A041 QUALITY MANAGEMENT SYSTEM
- A042 DART NOTIFICATION BY SUPPLIER
- A043 RETENTION OF QUALITY DOCUMENTS
- A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
- A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 9/3/19 3:44 PM Dart.Guerin.Kimberley

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
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Canada

Purchase Order ✓
POHB044419
Order Placed By
Kimberley Guerin
McMaster-Carr Number
1646015-02

Page 1 of 2
09/03/2019

Line	Product	Ordered	Shipped
1	30345T971 18-8 Stainless Steel Lanyard - Not for Lifting, Loop-to-Loop, 1/16" Rope Diameter, 8" Long, Nylon	48 Each	48 ✓
2	5475A12 Pin Spanner Wrench for Holes on The Side for 1-1/4" Circle Diameter	2 Each	2 ✓
3	6399K41 303 Stainless Steel Knob with Knurled Grip with Machinable Solid Hub, 1" Head Diameter	10 Each	10 ✓
4	8334K11 F1 Felt Sheet, Firm, Adhesive Backing, 12" x 12", 1/8" Thick	2 Each	2 ✓
6	90024A232 18-8 Stainless Steel Threaded Rod, M10 x 1.5 mm Thread Size, 500 mm Long, Packs of 1	1 Pack	1 ✓
7	90128A245 Zinc-Plated Alloy Steel Socket Head Screw, 1/4"-20 Thread Size, 3/4" Long, Packs of 50	1 Pack	1 ✓
8	91116A120 18-8 Stainless Steel Oversized Washer for M3 Screw Size, 3.2 mm ID, 9 mm OD, Packs of 100	1 Pack	1 ✓
9	91772A188 Passivated 18-8 Stainless Steel Pan Head Phillips Screw, 8-32 Thread, 1/8" Long, Packs of 100	1 Pack	1 ✓
10	92095A179 Button Head Hex Drive Screw, Passivated 18-8 Stainless Steel, M3 x 0.50 mm Thread, 6mm Long, Packs of 100 <i>104 pcs</i>	1 Pack	1 ✓
11	92125A212 18-8 Stainless Steel Hex Drive Flat Head Screw, M5 x 0.8 mm Thread, 16 mm Long, Packs of 50	1 Pack	1 ✓
12	30365T351 Eye-to-Clevis Swivel - Not for Lifting, 316 Stainless Steel, 5-3/4" Long	2 Each	2 ✓
13	5462K62 Tight-Seal Easy-Install Bolt Clamp for Soft Hose and Tube, 304 Stainless Steel, 3-1/8" to 3-11/32" ID	45 Each	45 ✓ <i>OK</i>
14	6264K72 Adding-and-Connecting Link for ANSI Number 40-SS Single Strand Corrosion-Resistant Roller Chain	6 Each	6 ✓
15	63215K52 Corrosion-Resistant Swivel Joint, Lubrication-Free, 1/4" ID, 21/32" OD	10 Each	10 ✓
16	6519T14 Ultra-Chemical-Resistant Versilon PVC Tubing, 3/8" ID, 9/16" OD, 10 Feet Long	40 Feet	40 ✓
17	92311A639 18-8 Stainless Steel Cup-Point Set Screw, 3/8"-24 Thread, 1" Long, Packs of 10	5 Packs	5 ✓

RECEIVED

SEP 05 2019

DART AEROSPACE LTD.

Packing List

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order ✓
POHB044419

Page 2 of 2

Order Placed By
Kimberley Guerin

09/03/2019

McMaster-Carr Number
1646015-02

Certificate of compliance ✓

This is to certify that the above items were supplied in accordance with the description and as illustrated in the catalog. Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.

Sarah Weinberg ✓
Sarah Weinberg
Compliance Manager

DAS
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9-89